

10 / 623,930

## WEST Search History

DATE: Wednesday, March 15, 2006

<u>Hide?</u>	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
<i>DB=PGPB,USPT; THES=ASSIGNEE; PLUR=YES; OP=ADJ</i>			
<input type="checkbox"/>	L1	micro-rnas or micrornas or micro-rna or micro-rna	456
<input type="checkbox"/>	L2	L1 and plant	385
<input type="checkbox"/>	L3	L2 and (transgenic or transform?)	289
<input type="checkbox"/>	L4	L3 and (RNAi or RNA interference)	282

END OF SEARCH HISTORY

10/623,930

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Enter NEWS followed by the item number or name to see news on that specific topic.

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AU but the virus readily evolves to escape this silencing mechanism  
AU Simon-Mateo, Carmen; Garcia, Juan Antonio  
CS Centro Nacional de Biotecnologia, CSIC, Madrid, 28049, Spain  
SO Journal of Virology (2006), 80(5), 2429-2436  
CODEN: JOVIAM; ISSN: 0022-538X  
PB American Society for Microbiology  
DT Journal  
LA English

RE.CNT 60 THERE ARE 60 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 42 AGRICOLA Compiled and distributed by the National  
Agricultural Library of the Department of Agriculture of the United States  
of America. It contains copyrighted materials. All rights reserved.  
(2006) on STN DUPLICATE 1

AN 2006:16108 AGRICOLA

DN IND43776724

TI Regulation of Phosphate Homeostasis by **MicroRNA** in *Arabidopsis*.

AU Chiou, Tzzy-Jen; Aung, Kyaw; Lin, Shu-I; Wu, Chia-Chune; Chiang, Su-Fen;  
Su, Chun-lin

AV DNAL (QK725.P532)

SO Plant cell, 2006 Feb. Vol. 18, no. 2 p. 412-421

ISSN: 1040-4651

NTE Includes references

DT Article

FS Other US

LA English

L4 ANSWER 4 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2006:83570 CAPLUS

TI Induction, suppression and requirement of RNA silencing pathways in  
virulent *Agrobacterium tumefaciens* infections

AU Dunoyer, Patrice; Himber, Christophe; Voinnet, Olivier

CS CNRS UPR2357, IBMP, Strasbourg, Fr.

SO Nature Genetics (2006), 38(2), 258-263

CODEN: NGENEC; ISSN: 1061-4036

PB Nature Publishing Group

DT Journal

LA English

RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:490431 CAPLUS

DN 143:39107

TI Nucleic acid construct comprising miRNA for any specific target sequence  
and uses for gene silencing in **plants**

IN Aukerman, Milo J.

PA E. I. du Pont de Nemours and Company, USA

SO PCT Int. Appl., 86 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005052170	A2	20050609	WO 2004-US33453	20041012
	WO 2005052170	A3	20051006		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			

RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,  
 AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,  
 EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,  
 SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,  
 SN, TD, TG  
 US 2005120415 A1 20050602 US 2004-963238 20041012  
 US 2005138689 A1 20050623 US 2004-963394 20041012  
 PRAI US 2003-509958P P 20031009

L4 ANSWER 6 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2005:347177 CAPLUS  
 DN 142:405515  
 TI Methods and nucleic acid constructs, encoding hairpin-forming miRNAs and  
 miRNA cassette templates, for inhibiting expression of target sequences in  
 plant cells

IN Aukerman, Milo J.  
 PA E. I. du Pont de Nemours and Company, USA  
 SO PCT Int. Appl., 99 pp.  
 CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005035769	A2	20050421	WO 2004-US33462	20041012
	WO 2005035769	A3	20050602		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2005120415	A1	20050602	US 2004-963238	20041012
	US 2005138689	A1	20050623	US 2004-963394	20041012
PRAI	US 2003-509958P	P	20031009		

L4 ANSWER 7 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2005:324274 CAPLUS  
 DN 142:350052

TI Methods for rapid detection and identification of bioagents containing  
 microRNA in clinical and environmental samples using nucleic acid  
 amplification and mass spectrometry

IN Griffey, Richard H.; Ecker, David J.  
 PA Isis Pharmaceuticals, Inc., USA  
 SO PCT Int. Appl., 53 pp.  
 CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005033271	A2	20050414	WO 2004-US28869	20040907
		W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,			

AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG	US 2005123952	A1	20050609	US 2004-933928	20040903
PRAI	US 2003-500722P	P	20030904		
	US 2003-504147P	P	20030917		

L4 ANSWER 8 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:14534 CAPLUS

DN 142:110554

TI **MicroRNAs** which modulate APETALA2 (AP2) expression levels for production of fruit-free, pollen-free **transgenic plants** with large showy flowers

IN Chen, Xuemei

PA Rutgers, the State University of New Jersey, USA

SO PCT Int. Appl., 29 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005001045	A2	20050106	WO 2004-US17358	20040601
	WO 2005001045	A3	20050804		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRAI US 2003-474289P P 20030529

L4 ANSWER 9 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:1004343 CAPLUS

DN 143:300304

TI Methods and tRNA vector system for delivery of siRNA, **micro-RNA** and antisense RNA to cells for treatment of genetic diseases, inflammation and pain

IN Thomann, Ulrich; Stange-Thomann, Nicole

PA USA

SO U.S. Pat. Appl. Publ., 17 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2005203047	A1	20050915	US 2005-76471	20050309
	WO 2005086896	A2	20050922	WO 2005-US7903	20050309
	WO 2005086896	A3	20060209		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,				

EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT,  
RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,  
MR, NE, SN, TD, TG

PRAI US 2004-551921P P 20040310

L4 ANSWER 10 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2005:1125600 CAPLUS

DN 143:400769

TI Means and method for modifying the biomass of **plants**

IN Weigel, Detlef; Schwab, Rebecca

PA Max-Planck-Gesellschaft zur Foerderung Der Wissenschaften E.V., Germany

SO Eur. Pat. Appl., 28 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1586651	A1	20051019	EP 2004-8748	20040413
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
	WO 2005100574	A1	20051027	WO 2005-EP3896	20050413
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRAI EP 2004-8748 A 20040413

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 11 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2006:17716 CAPLUS

TI RDR6 has a broad-spectrum but temperature-dependent antiviral defense role  
in *Nicotiana benthamiana*

AU Qu, Feng; Ye, Xiaohong; Hou, Guichuan; Sato, Shirley; Clemente, Thomas E.;  
Morris, T. Jack

CS School of Biological Sciences, University of Nebraska-Lincoln, Lincoln,  
NE, 68588-0666, USA

SO Journal of Virology (2005), 79(24), 15209-15217

CODEN: JOVIAM; ISSN: 0022-538X

PB American Society for Microbiology

DT Journal

LA English

RE.CNT 46 THERE ARE 46 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 12 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 2

AN 2005:683726 CAPLUS

DN 143:281132

TI **MicroRNA**-binding viral protein interferes with *Arabidopsis*  
development

AU Chellappan, Padmanabhan; Vanitharani, Ramachandran; Fauquet, Claude M.

CS Donald Danforth Plant Science Center, International Laboratory for  
Tropical Agricultural Biotechnology, St. Louis, MO, 63132, USA

SO Proceedings of the National Academy of Sciences of the United States of  
America (2005), 102(29), 10381-10386

CODEN: PNASA6; ISSN: 0027-8424  
PB National Academy of Sciences  
DT Journal  
LA English  
RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 13 OF 42 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
(2006) on STN DUPLICATE 3  
AN 2005:61602 AGRICOLA  
DN IND43731321  
TI microRNA172 down-regulates *glossy15* to promote vegetative phase change in maize.  
AU Lauter, N.; Kampani, A.; Carlson, S.; Goebel, M.; Moose, S.P.  
SO Proceedings of the National Academy of Sciences of the United States of America, 2005 June 28 Vol. 102, no. 26 p. 9412-9417  
ISSN: 0027-8424  
NTE Includes references  
DT Article; Conference  
FS Other US  
LA English

L4 ANSWER 14 OF 42 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
(2006) on STN DUPLICATE 4  
AN 2005:89776 AGRICOLA  
DN IND43758238  
TI Ectopic DICER-LIKE1 Expression in P1/HC-Pro *Arabidopsis* Rescues Phenotypic Anomalies but Not Defects in **MicroRNA** and Silencing Pathways.  
AU Mlotshwa, Sizolwenkosi; Schauer, Stephen E.; Smith, Trenton H.; Mallory, Allison C.; Herr, J.M.; Roth, Braden; Merchant, Delwin S.; Ray, Animesh; Bowman, Lewis H.; Vance, Vicki B.  
AV DNAL (QK725.P532)  
SO Plant cell, 2005 Nov. Vol. 17, no. 11 p. 2873-2885  
ISSN: 1040-4651  
NTE Includes references  
DT Article  
FS Other US  
LA English

L4 ANSWER 15 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 5  
AN 2005:1254039 CAPLUS  
DN 144:84352  
TI A miRNA Involved in Phosphate-Starvation Response in *Arabidopsis*  
AU Fujii, Hiroaki; Chiou, Tzyy-Jen; Lin, Shu-I.; Aung, Kyaw; Zhu, Jian-Kang  
CS Institute for Integrative Genome Biology and Department of Botany and Plant Sciences, University of California, Riverside, Riverside, CA, 92521, USA  
SO Current Biology (2005), 15(22), 2038-2043  
CODEN: CUBLE2; ISSN: 0960-9822  
PB Cell Press  
DT Journal  
LA English  
RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 16 OF 42 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
(2006) on STN DUPLICATE 6  
AN 2005:59047 AGRICOLA

DN IND43708223  
TI **MicroRNA** Directs mRNA Cleavage of the Transcription Factor NAC1 to Downregulate Auxin Signals for *Arabidopsis* Lateral Root Development.  
AU Guo, Hui-Shan; Xie, Qi; Fei, Ji-Feng; Chua, Nam-Hai  
SO Plant cell, 2005 May Vol. 17, no. 5 p. 1376-1386  
ISSN: 1040-4651  
NTE Includes references  
DT Article  
FS Other US  
LA English  
  
L4 ANSWER 17 OF 42 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
(2006) on STN DUPLICATE 7  
AN 2005:36491 AGRICOLA  
DN IND43708197  
TI The *Arabidopsis* GAMYB-Like Genes, MYB33 and MYB65, Are **MicroRNA**-Regulated Genes That Redundantly Facilitate Anther Development.  
AU Millar, Anthony A.; Gubler, Frank  
AV DNAL (QK725.P532)  
SO Plant cell, 2005 Mar. Vol. 17, no. 3 p. 705-721  
ISSN: 1040-4651  
NTE Includes references  
DT Article  
FS Other US  
LA English  
  
L4 ANSWER 18 OF 42 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
(2006) on STN  
AN 2005:92969 AGRICOLA  
DN IND43761874  
TI Cell-to-cell movement of Potato Potexvirus X is dependent on suppression of RNA silencing.  
AU Bayne, E.H.; Rakitina, D.V.; Morozov, S.Y.; Baulcombe, D.C.  
AV DNAL (QK710.P68)  
SO Plant journal, 2005 Nov. Vol. 44, no. 3 p. 471-482  
ISSN: 0960-7412  
NTE Includes references  
DT Article  
FS Non-US  
LA English  
  
L4 ANSWER 19 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 8  
AN 2005:150195 CAPLUS  
DN 142:407686  
TI The early extra petals1 Mutant Uncovers a Role for **MicroRNA** miR164c in Regulating Petal Number in *Arabidopsis*  
AU Baker, Catherine C.; Sieber, Patrick; Wellmer, Frank; Meyerowitz, Elliot M.  
CS Division of Biology, California Institute of Technology, Pasadena, CA, 91125, USA  
SO Current Biology (2005), 15(4), 303-315  
CODEN: CUBLE2; ISSN: 0960-9822  
PB Cell Press  
DT Journal  
LA English  
RE.CNT 52 THERE ARE 52 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT  
  
L4 ANSWER 20 OF 42 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States

of America. It contains copyrighted materials. All rights reserved.  
(2006) on STN DUPLICATE 9  
AN 2005:74906 AGRICOLA  
DN IND43744480  
TI Loss of Function of OsDCL1 Affects **MicroRNA** Accumulation and  
Causes Developmental Defects in Rice.  
AU Liu, Bin; Li, PingChuan; Li, Xin; Liu, ChunYan; Cao, ShouYun; Chu,  
ChengCai; Cao, XiaoFeng  
AV DNAL (450 P692)  
SO Plant physiology, 2005 Sep. Vol. 139, no. 1 p. 296-305  
ISSN: 0032-0889  
NTE Includes references  
DT Article  
FS Other US  
LA English

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L4 ANSWER 21 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2005:1231689 CAPLUS  
DN 144:206393  
TI RNA interference - a powerful tool for regulation of gene expression  
AU Struncova, S.; Borska, R.; Kusenda, B.; Mejstrik, P.; Dvorakova, D.;  
Mayer, J.; Pospisilova, S.  
CS Internal Hematological Clinic, Fac. Hospital, Center for Molecular Biology  
Gene Therapy, Brno, Czech Rep.  
SO Biologicke Listy (2005), 70(3), 231-247  
CODEN: BILIAC; ISSN: 0366-0486  
PB Ustav Molekularni Genetiky AV CR  
DT Journal; General Review  
LA Czech

L4 ANSWER 22 OF 42 AGRICOLA Compiled and distributed by the National  
Agricultural Library of the Department of Agriculture of the United States  
of America. It contains copyrighted materials. All rights reserved.  
(2006) on STN DUPLICATE 10  
AN 2005:57997 AGRICOLA  
DN IND43694120  
TI MicroRNA-directed cleavage of ATHB15 mRNA regulates vascular  
development in *Arabidopsis* inflorescence stems.  
AU Kim, J.; Jung, J.H.; Reyes, J.L.; Kim, Y.S.; Kim, S.Y.; Chung, K.S.; Kim,  
J.A.; Lee, M.; Lee, Y.; Kim, V.N.  
AV DNAL (QK710.P68)  
SO Plant journal, 2005 Apr. Vol. 42, no. 1 p. 84-94  
ISSN: 0960-7412  
NTE Includes references  
DT Article

FS Non-US  
LA English

L4 ANSWER 23 OF 42 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on  
STN  
AN 2005:483332 BIOSIS  
DN PREV200510287331  
TI Small RNAs and abiotic stress responses.  
AU Sunkar, Ramanjulu [Reprint Author]; Zhu, Jian-Kan  
CS Univ Calif Riverside, Inst Integrat Genome Biol, Riverside, CA 92521 USA  
SO Plant and Cell Physiology, (2005) Vol. 46, No. Suppl. S, pp. S8.  
Meeting Info.: 46th Annual Meeting of the Japanese-Society-of-Plant-  
Physiologists. Niigata, JAPAN. March 24 -26, 2005. Japanese Soc Plant  
Physiologists.  
CODEN: PCPHA5. ISSN: 0032-0781.  
DT Conference; (Meeting)  
Conference; Abstract; (Meeting Abstract)  
LA English  
ED Entered STN: 16 Nov 2005  
Last Updated on STN: 16 Nov 2005

L4 ANSWER 24 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2004:634177 CAPLUS  
DN 141:168952  
TI computational methods of identifying novel **microRNA** (miRNA)  
IN Cohen, Stephen; Brennecke, Julius; Russell, Robert B.; Stark, Alexander  
PA European Molecular Biology Laboratory, Germany  
SO PCT Int. Appl., 107 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1  
PATENT NO. KIND DATE APPLICATION NO. DATE  
-----  
PI WO 2004066183 A2 20040805 WO 2004-IB620 20040122  
WO 2004066183 A3 20041202  
W: AE, AE, AG, AL, AL, AM, AM, AM, AT, AT, AU, AU, AZ, AZ, BA, BB,  
BG, BG, BR, BR, BW, BY, BY, BZ, BZ, CA, CH, CN, CN, CO, CO, CR,  
CR, CU, CU, CZ, CZ, DE, DE, DK, DK, DM, DZ, EC, EC, EE, EE, EG,  
ES, ES, FI, FI, GB, GD, GE, GE, GH, GH, GM, GM, HR, HR, HU, HU,  
ID, IL, IN, IS, JP, JP, KE, KE, KG, KG, KP, KP, KP, KR, KR, KZ,  
KZ, KZ, LC, LC, LR, LS, LS, LT, LU, LV, MA, MD, MD, MG, MG, MN,  
MW, MX, MX, MZ  
PRAI GB 2003-1459 A 20030122  
GB 2003-17991 A 20030731

L4 ANSWER 25 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2004:453374 CAPLUS  
DN 141:2376  
TI Sequences of *Arabidopsis thaliana* hydroxypyruvate reductase (HPR) gene  
promoters and methods of use thereof in **plants**  
IN Huang, Yafan; Wang, Yang  
PA Performance Plants, Inc., Can.  
SO PCT Int. Appl., 82 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1  
PATENT NO. KIND DATE APPLICATION NO. DATE  
-----  
PI WO 2004046362 A2 20040603 WO 2003-IB6390 20031118  
WO 2004046362 A3 20041028  
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE,

GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK,  
 LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ,  
 OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
 TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW  
 RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,  
 BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,  
 ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,  
 TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG  
 CA 2506547 AA 20040603 CA 2003-2506547 20031118  
 AU 2003300673 A1 20040615 AU 2003-300673 20031118  
 PRAI US 2002-427204P P 20021118  
 WO 2003-IB6390 W 20031118

L4 ANSWER 26 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2004:80843 CAPLUS  
 DN 140:123733  
 TI Modulation of gene expression in **plants** via siRNA and miRNA pathway  
 IN Vance Bowman, Vicki; Bowman, Lewis Howard; Mallory, Allison  
 PA University of South Carolina, USA  
 SO PCT Int. Appl., 40 pp.  
 CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004009779	A2	20040129	WO 2003-US22718	20030721
	WO 2004009779	A3	20040902		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	CA 2492917 AA 20040129			CA 2003-2492917	20030721
	US 2004268441 A1 20041230			US 2003-623930	20030721
	EP 1551967 A2 20050713			EP 2003-765827	20030721
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
PRAI	US 2002-397487P	P	20020719		
	WO 2003-US22718	W	20030721		

L4 ANSWER 27 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 11  
 AN 2004:686531 CAPLUS  
 DN 141:391983  
 TI Modulation of floral development by a gibberellin-regulated **microRNA**  
 AU Achard, Patrick; Herr, Alan; Baulcombe, David C.; Harberd, Nicholas P.  
 CS Department of Cell and Developmental Biology, John Innes Centre, Norwich,  
 NR4 7UH, UK  
 SO Development (Cambridge, United Kingdom) (2004), 131(14), 3357-3365  
 CODEN: DEVPED; ISSN: 0950-1991  
 PB Company of Biologists Ltd.  
 DT Journal  
 LA English  
 RE.CNT 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 28 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:774481 CAPLUS  
DN 141:389712  
TI In vivo investigation of the transcription, processing, endonucleolytic activity, and functional relevance of the spatial distribution of a **plant** miRNA  
AU Parizotto, Eneida Abreu; Dunoyer, Patrice; Rahm, Nadia; Himber, Christophe; Voinnet, Olivier  
CS Institut de Biologie Moleculaire des Plantes du CNRS, Strasbourg, 67084, Fr.  
SO Genes & Development (2004), 18(18), 2237-2242  
CODEN: GEDEEP; ISSN: 0890-9369  
PB Cold Spring Harbor Laboratory Press  
DT Journal  
LA English

RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 29 OF 42 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2006) on STN

AN 2004:36686 AGRICOLA  
DN IND43636641  
TI **MicroRNA**-directed cleavage of *Nicotiana sylvestris* PHAVOLUTA mRNA regulates the vascular cambium and structure of apical meristems.  
AU McHale, N.A.; Koning, R.E.  
AV DNAL (QK725.P532)  
SO Plant cell, 2004 July Vol. 16, no. 7 p. 1730-1740  
ISSN: 1040-4651  
NTE Includes references  
DT Article  
FS Other US  
LA English

L4 ANSWER 30 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2004:437940 CAPLUS  
DN 141:152053

TI Viral virulence protein suppresses RNA silencing-mediated defense but upregulates the role of **microRNA** in host gene expression  
AU Chen, Jun; Li, Wan Xiang; Xie, Daoxin; Peng, Jin Rong; Ding, Shou Wei  
CS Institute of Molecular and Cell Biology Department of Biological Sciences, National University of Singapore, Singapore, 117609, Singapore  
SO Plant Cell (2004), 16(5), 1302-1313  
CODEN: PLCEEW; ISSN: 1040-4651  
PB American Society of Plant Biologists  
DT Journal  
LA English

RE.CNT 63 THERE ARE 63 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 31 OF 42 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2006) on STN

AN 2004:41297 AGRICOLA  
DN IND43641689  
TI Probing the **microRNA** and small interfering RNA pathways with virus-encoded suppressors of RNA silencing.  
AU Dunoyer, P.; Lecellier, C.H.; Parizotto, E.A.; Himber, C.; Voinnet, O.  
AV DNAL (QK725.P532)  
SO Plant cell, 2004 May Vol. 16, no. 5 p. 1235-1250  
ISSN: 1040-4651  
NTE Includes references  
DT Article

FS Other US  
LA English

L4 ANSWER 32 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 12  
AN 2004:434915 CAPLUS  
DN 141:49130  
TI The action of ARGONAUTE1 in the miRNA pathway and its regulation by the miRNA pathway are crucial for **plant** development  
AU Vaucheret, Herve; Vazquez, Franck; Crete, Patrice; Bartel, David P.  
CS Laboratoire de Biologie Cellulaire, Institut Jean-Pierre Bourgin, INRA, Versailles, 78026, Fr.  
SO Genes & Development (2004), 18(10), 1187-1197  
CODEN: GEDEEP; ISSN: 0890-9369  
PB Cold Spring Harbor Laboratory Press  
DT Journal  
LA English  
RE.CNT 61 THERE ARE 61 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 33 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 13  
AN 2004:434914 CAPLUS  
DN 141:35142  
TI Viral RNA silencing suppressors inhibit the **microRNA** pathway at an intermediate step  
AU Chapman, Elisabeth J.; Prokhnevsky, Alexey I.; Gopinath, Kodetham; Dolja, Valerian V.; Carrington, James C.  
CS Department of Botany and Plant Pathology, Oregon State University, Corvallis, OR, 97331, USA  
SO Genes & Development (2004), 18(10), 1179-1186  
CODEN: GEDEEP; ISSN: 0890-9369  
PB Cold Spring Harbor Laboratory Press  
DT Journal  
LA English  
RE.CNT 49 THERE ARE 49 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 34 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 14  
AN 2004:1013277 CAPLUS  
DN 142:110447  
TI **MicroRNA** binding sites in *Arabidopsis* class III HD-ZIP mRNAs are required for methylation of the template chromosome  
AU Bao, Ning; Lye, Khar-Wai; Barton, M. Kathryn  
CS Program in Plant Breeding and Plant Genetics, University of Wisconsin, Madison, WI, 53706, USA  
SO Developmental Cell (2004), 7(5), 653-662  
CODEN: DCEEBE; ISSN: 1534-5807  
PB Cell Press  
DT Journal  
LA English  
RE.CNT 51 THERE ARE 51 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 35 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2004:684653 CAPLUS  
DN 141:326277  
TI Advances in study of RNA interference and its botanical significance  
AU Niu, Lili; An, Lijia  
CS Department of Bioscience and Biotechnology, Dalian University of Technology, Dalian, 116024, Peop. Rep. China  
SO Fenzi Zhiwu Yuzhong (2004), 2(3), 429-435  
CODEN: FZYEAO; ISSN: 1672-416X  
PB Fenzi Zhiwu Yuzhong Bianjibu  
DT Journal; General Review  
LA Chinese

L4 ANSWER 36 OF 42 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
(2006) on STN DUPLICATE 15

AN 2004:26376 AGRICOLA

DN IND43629097

TI amphivasal vascular bundle 1, a gain-of function mutation of the IFL1/REV genes, is associated with alterations in the polarity of leaves, stems and carpels.

AU Zhong, R.; Ye, Z.H.

AV DNAL (450 P699)

SO Plant and cell physiology, 2004 Apr. Vol. 45, no. 4 p. 369-385  
ISSN: 0032-0781

NTE Includes references

DT Article

FS Non-US

LA English

L4 ANSWER 37 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:298819 CAPLUS

DN 140:401846

TI **MicroRNAs**: tiny but not trivial

AU Tam, Wayne

CS Department of Pathology & Laboratory Medicine, Weill Medical College of Cornell University, New York, NY, 10021, USA

SO Current Genomics (2004), 5(3), 191-205  
CODEN: CGUEA8; ISSN: 1389-2029

PB Bentham Science Publishers Ltd.

DT Journal; General Review

LA English

RE.CNT 99 THERE ARE 99 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 38 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:880071 CAPLUS

DN 142:332854

TI Progress on the post-transcriptional gene silencing mechanism and correspondent strategy in **transgenic plants**

AU Wang, Yuying; Fu, Chang; Sun, Cheng; Huang, Yongfen

CS School of Life and Environmental Science, Harbin Normal University, Harbin, 150080, Peop. Rep. China

SO Zhongguo Shengwu Gongcheng Zazhi (2004), 24(6), 43-47  
CODEN: ZSGZAW; ISSN: 1671-8135

PB Zhongguo Shengwu Gongcheng Zazhishe

DT Journal; General Review

LA Chinese

L4 ANSWER 39 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 16

AN 2003:555276 CAPLUS

DN 139:193083

TI Evidence for nuclear processing of **plant micro RNA** and short interfering RNA precursors

AU Papp, Istvan; Mette, M. Florian; Aufsatz, Werner; Daxinger, Lucia; Schauer, Stephen E.; Ray, Animesh; van der Winden, Johannes; Matzke, Marjori; Matzke, Antonius J. M.

CS Institute of Molecular Biology, Austrian Academy of Sciences, Salzburg, A-5020, Austria

SO Plant Physiology (2003), 132(3), 1382-1390  
CODEN: PLPHAY; ISSN: 0032-0889

PB American Society of Plant Biologists

DT Journal

LA English

RE.CNT 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 40 OF 42 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2006) on STN DUPLICATE 17

AN 2003:17653 AGRICOLA

DN IND23313836

TI Low temperature inhibits RNA silencing-mediated defence by the control of siRNA generation.

AU Szittya, G.; Silhavy, D.; Molnar, A.; Havelda, Z.; Lovas, A.; Lakatos, L.; Banfalvi, Z.; Burgyan, J.

AV DNAL (QH506.E46)

SO The EMBO journal, Feb 3, 2003. Vol. 22, No. 3. p. 633-640  
Publisher: Oxford, U.K. : Oxford University Press.  
CODEN: EMJODG; ISSN: 0261-4189

NTE Includes references

CY England; United Kingdom

DT Article

FS Non-U.S. Imprint other than FAO

LA English

L4 ANSWER 41 OF 42 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2006) on STN DUPLICATE 18

AN 2003:36200 AGRICOLA

DN IND23327158

TI A viral suppressor of RNA silencing differentially regulates the accumulation of short interfering RNAs and **micro-RNAs** in tobacco.

AU Mallory, A.C.; Reinhart, B.J.; Bartel, D.; Vance, V.B.; Bowman, L.H.

AV DNAL (500 N21P)

SO Proceedings of the National Academy of Sciences of the United States of America, Nov 12, 2002. Vol. 99, No. 23. p. 15228-15233  
Publisher: Washington, D.C. : National Academy of Sciences,  
CODEN: PNASA6; ISSN: 0027-8424

NTE Includes references

CY District of Columbia; United States

DT Article; Conference

FS U.S. Imprints not USDA, Experiment or Extension

LA English

L4 ANSWER 42 OF 42 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2002:184441 CAPLUS

DN 137:73904

TI RNAi: nature abhors a double-strand

AU Hutvagner, Gyorgy; Zamore, Phillip D.

CS Department of Biochemistry and Molecular Pharmacology, University of Massachusetts Medical School, Worcester, MA, 01655, USA

SO Current Opinion in Genetics & Development (2002), 12(2), 225-232  
CODEN: COGDET; ISSN: 0959-437X

PB Elsevier Science Ltd.

DT Journal; General Review

LA English

RE.CNT 70 THERE ARE 70 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 11:57:05 ON 15 MAR 2006)

FILE 'AGRICOLA, CAPLUS, BIOSIS' ENTERED AT 11:57:32 ON 15 MAR 2006

=> d his

(FILE 'HOME' ENTERED AT 11:57:05 ON 15 MAR 2006)

FILE 'AGRICOLA, CAPLUS, BIOSIS' ENTERED AT 11:57:32 ON 15 MAR 2006  
L1 2250 S (MICRO-RNAS OR MICRORNA OR MICRORNAs OR MICRO-RNA)  
L2 708 S L1 AND PLANT  
L3 67 S L2 AND (TRANSGENIC OR TRANSFORM?)  
L4 42 DUP REM L3 (25 DUPLICATES REMOVED)

FILE 'STNGUIDE' ENTERED AT 12:01:06 ON 15 MAR 2006

FILE 'AGRICOLA, CAPLUS, BIOSIS' ENTERED AT 12:05:44 ON 15 MAR 2006

FILE 'STNGUIDE' ENTERED AT 12:05:46 ON 15 MAR 2006

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Welcome to STN International! Enter x:x

LOGINID:SSPTAVXK1638

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 12:10:59 ON 15 MAR 2006

```
=> ile agricola caplus biosis
ILE IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).
```

FILE 'AGRICOLA' ENTERED AT 12:11:26 ON 15 MAR 2006

FILE 'CAPLUS' ENTERED AT 12:11:26 ON 15 MAR 2006  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'BIOSIS' ENTERED AT 12:11:26 ON 15 MAR 2006  
Copyright (c) 2006 The Thomson Corporation

=> s (rna interference or RNAi)  
L1 13271 (RNA INTERFERENCE OR RNAI)

=> s plant  
L2 3807997 PLANT

=> s (transgenic or transform?)  
L3 1020723 (TRANSGENIC OR TRANSFORM?)

=> s 11 and 12 and 13  
L4 541 L1 AND L2 AND L3

=> s (micro-rnas or micrornas or micro-rna or microrna)  
L5 2250 (MICRO-RNAS OR MICRORNAS OR MICRO-RNA OR MICRORNA)

=> s 14 and 15  
L6 14 L4 AND L5

```
=> dup rem 16
PROCESSING COMPLETED FOR L6
L7          12 DUP REM L6 (2 DUPLICATES REMOVED)
```

=> d 17 1-12

L7 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2006:103628 CAPLUS

DN 144:188279  
TI Methods and antisense RNA oligonucleotides for non-systemic gene suppression in plants and plant pathogens  
IN Huang, Shihshieh; Gilbertson, Larry A.  
PA USA  
SO U.S. Pat. Appl. Publ., 12 pp.  
CODEN: USXXCO  
DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2006026711	A1	20060202	US 2005-186196	20050720
PRAI	US 2004-589643P	P	20040721		

L7 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2006:83570 CAPLUS

TI Induction, suppression and requirement of RNA silencing pathways in virulent Agrobacterium tumefaciens infections

AU Dunoyer, Patrice; Himber, Christophe; Voinnet, Olivier

CS CNRS UPR2357, IBMP, Strasbourg, Fr.

SO Nature Genetics (2006), 38(2), 258-263

CODEN: NGENEC; ISSN: 1061-4036

PB Nature Publishing Group

DT Journal

LA English

RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 3 OF 12 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN

AN 2005:422723 BIOSIS

DN PREV200510211879

TI MicroRNA-binding viral protein interferes with Arabidopsis development.

AU Chellappan, Padmanabhan; Vanitharani, Ramachandran; Fauquet, Claude M. [Reprint Author]

CS Donald Danforth Plant Sci Ctr, Int Lab Trop Agr Biotechnol, 975 N Warson Rd, St Louis, MO 63132 USA iltab@danforthcenter.org

SO Proceedings of the National Academy of Sciences of the United States of America, (JUL 19 2005) Vol. 102, No. 29, pp. 10381-10386. CODEN: PNASA6. ISSN: 0027-8424.

DT Article

LA English

ED Entered STN: 19 Oct 2005

Last Updated on STN: 19 Oct 2005

L7 ANSWER 4 OF 12 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2006) on STN DUPLICATE 1

AN 2005:74906 AGRICOLA

DN IND43744480

TI Loss of Function of OsDCL1 Affects MicroRNA Accumulation and Causes Developmental Defects in Rice.

AU Liu, Bin; Li, PingChuan; Li, Xin; Liu, ChunYan; Cao, ShouYun; Chu, ChengCai; Cao, XiaoFeng

AV DNAL (450 P692)

SO Plant physiology, 2005 Sep. Vol. 139, no. 1 p. 296-305 ISSN: 0032-0889

NTE Includes references

DT Article

FS Other US

LA English

L7 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:1231689 CAPLUS

DN 144:206393

TI RNA interference - a powerful tool for regulation of gene expression

AU Struncova, S.; Borska, R.; Kusenda, B.; Mejstrik, P.; Dvorakova, D.; Mayer, J.; Pospisilova, S.

CS Internal Hematological Clinic, Fac. Hospital, Center for Molecular Biology  
Gene Therapy, Brno, Czech Rep.  
SO Biologicke Listy (2005), 70(3), 231-247  
CODEN: BILIA; ISSN: 0366-0486  
PB Ustav Molekularni Genetiky AV CR  
DT Journal; General Review  
LA Czech

L7 ANSWER 6 OF 12 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2006) on STN

AN 2004:41297 AGRICOLA

DN IND43641689

TI Probing the **microRNA** and small interfering RNA pathways with virus-encoded suppressors of RNA silencing.

AU Dunoyer, P.; Lecellier, C.H.; Parizotto, E.A.; Himber, C.; Voinnet, O.  
AV DNAL (QK725.P532)

SO Plant cell, 2004 May Vol. 16, no. 5 p. 1235-1250  
ISSN: 1040-4651

NTE Includes references

DT Article

FS Other US

LA English

L7 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2004:434915 CAPLUS

DN 141:49130

TI The action of ARGONAUTE1 in the miRNA pathway and its regulation by the miRNA pathway are crucial for **plant** development

AU Vaucheret, Herve; Vazquez, Franck; Crete, Patrice; Bartel, David P.

CS Laboratoire de Biologie Cellulaire, Institut Jean-Pierre Bourgin, INRA, Versailles, 78026, Fr.

SO Genes & Development (2004), 18(10), 1187-1197  
CODEN: GEDEEP; ISSN: 0890-9369

PB Cold Spring Harbor Laboratory Press

DT Journal

LA English

RE.CNT 61 THERE ARE 61 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2004:684653 CAPLUS

DN 141:326277

TI Advances in study of **RNA interference** and its botanical significance

AU Niu, Lili; An, Lijia

CS Department of Bioscience and Biotechnology, Dalian University of Technology, Dalian, 116024, Peop. Rep. China

SO Fenzi Zhiwu Yuzhong (2004), 2(3), 429-435  
CODEN: FZYEAO; ISSN: 1672-416X

PB Fenzi Zhiwu Yuzhong Bianjibu

DT Journal; General Review

LA Chinese

L7 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2004:298819 CAPLUS

DN 140:401846

TI **MicroRNAs**: tiny but not trivial

AU Tam, Wayne

CS Department of Pathology & Laboratory Medicine, Weill Medical College of Cornell University, New York, NY, 10021, USA

SO Current Genomics (2004), 5(3), 191-205  
CODEN: CGUEA8; ISSN: 1389-2029

PB Bentham Science Publishers Ltd.  
DT Journal; General Review  
LA English

RE.CNT 99 THERE ARE 99 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2003:555276 CAPLUS  
DN 139:193083  
TI Evidence for nuclear processing of **plant micro RNA** and short interfering RNA precursors  
AU Papp, Istvan; Mette, M. Florian; Aufsatz, Werner; Daxinger, Lucia; Schauer, Stephen E.; Ray, Animesh; van der Winden, Johannes; Matzke, Marjori; Matzke, Antonius J. M.  
CS Institute of Molecular Biology, Austrian Academy of Sciences, Salzburg, A-5020, Austria  
SO Plant Physiology (2003), 132(3), 1382-1390  
CODEN: PLPHAY; ISSN: 0032-0889  
PB American Society of Plant Biologists  
DT Journal  
LA English  
RE.CNT 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2002:928980 CAPLUS  
DN 138:165713  
TI A viral suppressor of RNA silencing differentially regulates the accumulation of short interfering RNAs and **micro-RNAs** in tobacco  
AU Mallory, Allison C.; Reinhart, Brenda J.; Bartel, David; Vance, Vicki B.; Bowman, Lewis H.  
CS Department of Biological Sciences, University of South Carolina, Columbia, SC, 29208, USA  
SO Proceedings of the National Academy of Sciences of the United States of America (2002), 99(23), 15228-15233  
CODEN: PNASA6; ISSN: 0027-8424  
PB National Academy of Sciences  
DT Journal  
LA English  
RE.CNT 57 THERE ARE 57 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 12 OF 12 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2002:184441 CAPLUS  
DN 137:73904  
TI **RNAi**: nature abhors a double-strand  
AU Hutvagner, Gyorgy; Zamore, Phillip D.  
CS Department of Biochemistry and Molecular Pharmacology, University of Massachusetts Medical School, Worcester, MA, 01655, USA  
SO Current Opinion in Genetics & Development (2002), 12(2), 225-232  
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RE.CNT 70 THERE ARE 70 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L1 13271 S (RNA INTERFERENCE OR RNAI)  
L2 3807997 S PLANT  
L3 1020723 S (TRANSGENIC OR TRANSFORM?)  
L4 541 S L1 AND L2 AND L3  
L5 2250 S (MICRO-RNAS OR MICRORNAS OR MICRO-RNA OR MICRORNA)  
L6 14 S L4 AND L5  
L7 12 DUP REM L6 (2 DUPLICATES REMOVED)